

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/629,913A

Source: IFW/16

Date Processed by STIC: 5/5/05

# ***ENTERED***



IFW16

RAW SEQUENCE LISTING                      DATE: 05/05/2005  
 PATENT APPLICATION: US/10/629,913A        TIME: 10:07:53

Input Set : A:\sequence listing.txt  
 Output Set: N:\CRF4\05052005\J629913A.raw

```

3 <110> APPLICANT: GARABEDIAN, Michael
4      WANG, Zhen
6 <120> TITLE OF INVENTION: ANTIBODIES THAT RECOGNIZE AND BIND PHOSPHORYLATED HUMAN
7      GLUCOCORTICOID RECEPTOR AND METHODS OF USING SAME
9 <130> FILE REFERENCE: GARABEDIAN=2A
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/629,913A
C--> 11 <141> CURRENT FILING DATE: 2003-07-30
11 <150> PRIOR APPLICATION NUMBER: 60/402,706
12 <151> PRIOR FILING DATE: 2002-08-13
14 <160> NUMBER OF SEQ ID NOS: 4
16 <170> SOFTWARE: PatentIn version 3.3
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 14
20 <212> TYPE: PRT
21 <213> ORGANISM: Artificial
23 <220> FEATURE:
24 <223> OTHER INFORMATION: Synthetic
27 <220> FEATURE:
28 <221> NAME/KEY: misc_feature
29 <222> LOCATION: (10)..(10)
30 <223> OTHER INFORMATION: Residue 10 is phosphorylated.
32 <400> SEQUENCE: 1
34 Leu Gln Asp Leu Phe Ser Ser Gly Ser Pro Gly Lys Glu
35 1          5          10
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 14
40 <212> TYPE: PRT
41 <213> ORGANISM: Artificial
43 <220> FEATURE:
44 <223> OTHER INFORMATION: Synthetic
47 <220> FEATURE:
48 <221> NAME/KEY: misc_feature
49 <222> LOCATION: (10)..(10)
50 <223> OTHER INFORMATION: Residue 10 is phosphorylated.
52 <400> SEQUENCE: 2
54 Gly Ser Pro Gly Lys Glu Thr Asn Glu Ser Pro Trp Arg Ser
55 1          5          10
58 <210> SEQ ID NO: 3
59 <211> LENGTH: 13
60 <212> TYPE: PRT
61 <213> ORGANISM: Artificial
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Synthetic

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67 <220> FEATURE:
68 <221> NAME/KEY: misc_feature
69 <222> LOCATION: (9)..(9)
70 <223> OTHER INFORMATION: residue 9 is phosphorylated
72 <400> SEQUENCE: 3
74 Leu Leu Ile Asp Glu Asn Leu Leu Ser Pro Leu Ala Gly
75 1          5          10
78 <210> SEQ ID NO: 4
79 <211> LENGTH: 777
80 <212> TYPE: PRT
81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 4
85 Met Asp Ser Lys Glu Ser Leu Thr Pro Gly Arg Glu Glu Asn Pro Ser
86 1          5          10          15
89 Ser Val Leu Ala Gln Glu Arg Gly Asp Val Met Asp Phe Tyr Lys Thr
90          20          25          30
93 Leu Arg Gly Gly Ala Thr Val Lys Val Ser Ala Ser Ser Pro Ser Leu
94          35          40          45
97 Ala Val Ala Ser Gln Ser Asp Ser Lys Gln Arg Arg Leu Leu Val Asp
98          50          55          60
101 Phe Pro Lys Gly Ser Val Ser Asn Ala Gln Gln Pro Asp Leu Ser Lys
102 65          70          75          80
105 Ala Val Ser Leu Ser Met Gly Leu Tyr Met Gly Glu Thr Glu Thr Lys
106          85          90          95
109 Val Met Gly Asn Asp Leu Gly Phe Pro Gln Gln Gly Gln Ile Ser Leu
110          100          105          110
113 Ser Ser Gly Glu Thr Asp Leu Lys Leu Leu Glu Glu Ser Ile Ala Asn
114          115          120          125
117 Leu Asn Arg Ser Thr Ser Val Pro Glu Asn Pro Lys Ser Ser Ala Ser
118          130          135          140
121 Thr Ala Val Ser Ala Ala Pro Thr Glu Lys Glu Phe Pro Lys Thr His
122 145          150          155          160
125 Ser Asp Val Ser Ser Glu Gln Gln His Leu Lys Gly Gln Thr Gly Thr
126          165          170          175
129 Asn Gly Gly Asn Val Lys Leu Tyr Thr Thr Asp Gln Ser Thr Phe Asp
130          180          185          190
133 Ile Leu Gln Asp Leu Glu Phe Ser Ser Gly Ser Pro Gly Lys Glu Thr
134          195          200          205
137 Asn Glu Ser Pro Trp Arg Ser Asp Leu Leu Ile Asp Glu Asn Cys Leu
138          210          215          220
141 Leu Ser Pro Leu Ala Gly Glu Asp Asp Ser Phe Leu Leu Glu Gly Asn
142 225          230          235          240
145 Ser Asn Glu Asp Cys Lys Pro Leu Ile Leu Pro Asp Thr Lys Pro Lys
146          245          250          255
149 Ile Lys Asp Asn Gly Asp Leu Val Leu Ser Ser Pro Ser Asn Val Thr
150          260          265          270
153 Leu Pro Gln Val Lys Thr Glu Lys Glu Asp Phe Ile Glu Leu Cys Thr
154          275          280          285
157 Pro Gly Val Ile Lys Gln Glu Lys Leu Gly Thr Val Tyr Cys Gln Ala

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```

158      290      295      300
161 Ser Phe Pro Gly Ala Asn Ile Ile Gly Asn Lys Met Ser Ala Ile Ser
162 305      310      315      320
165 Val His Gly Val Ser Thr Ser Gly Gly Gln Met Tyr His Tyr Asp Met
166      325      330      335
169 Asn Thr Ala Ser Leu Ser Gln Gln Gln Asp Gln Lys Pro Ile Phe Asn
170      340      345      350
173 Val Ile Pro Pro Ile Pro Val Gly Ser Glu Asn Trp Asn Arg Cys Gln
174      355      360      365
177 Gly Ser Gly Asp Asp Asn Leu Thr Ser Leu Gly Thr Leu Asn Phe Pro
178      370      375      380
181 Gly Arg Thr Val Phe Ser Asn Gly Tyr Ser Ser Pro Ser Met Arg Pro
182 385      390      395      400
185 Asp Val Ser Ser Pro Ser Ser Ser Ser Thr Ala Thr Thr Gly Pro
186      405      410      415
189 Pro Pro Lys Leu Cys Leu Val Cys Ser Asp Glu Ala Ser Gly Cys His
190      420      425      430
193 Tyr Gly Val Leu Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala
194      435      440      445
197 Val Glu Gly Gln His Asn Tyr Leu Cys Ala Gly Arg Asn Asp Cys Ile
198      450      455      460
201 Ile Asp Lys Ile Arg Arg Lys Asn Cys Pro Ala Cys Arg Tyr Arg Lys
202 465      470      475      480
205 Cys Leu Gln Ala Gly Met Asn Leu Glu Ala Arg Lys Thr Lys Lys Lys
206      485      490      495
209 Ile Lys Gly Ile Gln Gln Ala Thr Thr Gly Val Ser Gln Glu Thr Ser
210      500      505      510
213 Glu Asn Pro Gly Asn Lys Thr Ile Val Pro Ala Thr Leu Pro Gln Leu
214      515      520      525
217 Thr Pro Thr Leu Val Ser Leu Leu Glu Val Ile Glu Pro Glu Val Leu
218      530      535      540
221 Tyr Ala Gly Tyr Asp Ser Ser Val Pro Asp Ser Thr Trp Arg Ile Met
222 545      550      555      560
225 Thr Thr Leu Asn Met Leu Gly Gly Arg Gln Val Ile Ala Ala Val Lys
226      565      570      575
229 Trp Ala Lys Ala Ile Pro Gly Phe Arg Asn Leu His Leu Asp Asp Gln
230      580      585      590
233 Met Thr Leu Leu Gln Tyr Ser Trp Met Phe Leu Met Ala Phe Ala Leu
234      595      600      605
237 Gly Trp Arg Ser Tyr Arg Gln Ser Ser Ala Asn Leu Leu Cys Phe Ala
238      610      615      620
241 Pro Asp Leu Ile Ile Asn Glu Gln Arg Met Thr Leu Pro Cys Met Tyr
242 625      630      635      640
245 Asp Gln Cys Lys His Met Leu Tyr Val Ser Ser Glu Leu His Arg Leu
246      645      650      655
249 Gln Val Ser Tyr Glu Glu Tyr Leu Cys Met Lys Thr Leu Leu Leu Leu
250      660      665      670
253 Ser Ser Val Pro Lys Asp Gly Leu Lys Ser Gln Glu Leu Phe Asp Glu
254      675      680      685

```

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```

257 Ile Arg Met Thr Tyr Ile Lys Glu Leu Gly Lys Ala Ile Val Lys Arg
258      690                      695                      700
261 Glu Gly Asn Ser Ser Gln Asn Trp Gln Arg Phe Tyr Gln Leu Thr Lys
262 705                      710                      715                      720
265 Leu Leu Asp Ser Met His Glu Val Val Glu Asn Leu Leu Asn Tyr Cys
266                      725                      730                      735
269 Phe Gln Thr Phe Leu Asp Lys Thr Met Ser Ile Glu Phe Pro Glu Met
270                      740                      745                      750
273 Leu Ala Glu Ile Ile Thr Asn Gln Ile Pro Lys Tyr Ser Asn Gly Asn
274                      755                      760                      765
277 Ile Lys Lys Leu Leu Phe His Gln Lys
278      770                      775

```

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 05/05/2005  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3

VERIFICATION SUMMARY

DATE: 05/05/2005

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date